

7-1-1974

## Avion 1974-07-01

Embry-Riddle Aeronautical University

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Comin' right up! The SGA TGIF get-together continues to grow in popularity. About 150 students, staff and guests turned out for the last TGIF.

The next episode is scheduled for 5:00 PM, Friday, July 12th. Plan to be on hand.

## Pennsylvania Tuition Protest

As college costs continue to climb, students at the University of Pennsylvania have launched a tuition protest.

The protest began in response to the March 27 announcement by the university administration that tuition would be increased next year by \$285. Tuition at that school is currently \$3,165 per year.

Protesting students met on April 5 to draw up a list of demands and to plan activities to protest the increase. The

protesters emerged from the meeting with five key demands: 1) that the university reveal its budget, 2) that the university freeze tuition at present levels until such time as the present budget is made public, 3) that the university budget committee reconsider and reduce the budget for next year, 4) that the university allow more students to sit on the committee, and 5) that the university distribute more financial aid.

### ★NOTICE★

Red Cross Standard First Aid Class will begin on July 17th. Classes will be held from 7-9 PM Monday and Wednesday nights. Those interested in attending may leave their names with Dale Nelson at the Security Office or call extension 72.

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## University Calendar

JULY

- 1 Classes Begin
- 4-5 Independence Day Holiday—University Closed.
- 8 Last day to add Term B classes.
- 8-15 Academic counseling for Fall Trimester.
- 10 Last day to withdraw from Term B classes and receive 50% refund of tuition.
- 12 Last day to submit application for August 28 graduation.
- 17 Last day to make up incomplete (I) grades (Term A Summer Trimester.)
- 30 Last day to withdraw from classes for Term B

AUGUST

- 20-22 Final Examinations.
- 23 Graduation, end of Term B and Summer Trimester.

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# The Avion



Volume 17, Number 4

Daytona Beach, Florida

Monday, July 1, 1974

## First Findings On Attrition Study

BY ANNE IRVING

Made recently available by the University Administration are the statistical results of the study done last summer to determine reasons for the rate of attrition at Embry-Riddle.

Attrition of students qualified to continue studies here has been relatively consistent for several years at about 30% of registrants with a slight increase during the 1972-1973 fiscal year.

Although that figure is not out of line with rates of attrition at comparable private universities, it constitutes a greater problem here due to smaller total enrollment and the developing status of Embry-Riddle.

Vice-President in charge of planning, Mr. Frank Forrest, explained that the University's

rather spectacular rate of development to date is partially dependent upon our steadily increasing enrollment to offset incurrences of debt necessary to finance the Gill-Robb and University Center and future building projects.

Due to the developing status of Embry-Riddle, debt service accounts for about 33% of annual operating expenses and the University's ability to incur debt is proportional to its capacity to attract students and carry them throughout their entire degree or certification programs.

At this time Embry-Riddle with approximately 1700 students is carrying the maximum debt retirement which would be healthy. However, with the

greater portion of the University still in the blueprint stage, large further incurrences of debt will be necessary to bring to fruition, the amount of building and expansion planned.

President Jack Hunt's Report to the Board of Trustees of the Period May 1973 to April 1974 indicated that while a fairly consistent rate of growth of enrollees had been upheld in other curriculums, there was a significant down trend in Airframe and Powerplant. It was evident that in at least some areas, there was an inability for Embry-Riddle to meet perceived student needs.

Mr. Robert Hoag, a research assistant from Dairdon College in North Carolina was hired for \$1000 to conduct the attrition study and design a suitable instrument (questionnaire) with which to do so.

Hoag devised a 45 comment questionnaire with which ex-students were to "strongly agree, agree, strongly disagree, disagree or reserve opinion."

The statements reflected attitudes and conditions at ERAU which, it was felt, might have contributed to attrition. The statements concerned such diversified subjects as the alleged militaristic bent of members of the faculty and staff, the lack of enough financial aid, the adequacy of facilities, the supposedly apathetic attitudes, so-called political of fellow students, the small number of female students, and supposedly lax academic standards.

Of 1000 questionnaires sent out to a group of ex-Embry-Riddle students the study was drawn from approximately 200 responses. It must be realized that the responses introduce a sampling error by including only those motivated enough to reply.

Generally speaking, the basic point which came out of the survey was that the University personnel lacked skill on the on the part of interpersonal relationships.

Most comments which Mr. Hoag received from those solicited cited the so-called militarism of the staff, and inadequate facilities for dining and accommodations as principle reasons for leaving.

Interestingly, extremely few persons left due to financial difficulty. This was in fact the least cited of many reasons. Discontentment with the developing nature of Embry-Riddle, as opposed to the "developed" status of competing colleges was often an underlying cause.

One very useful and unexpected lesson was learned from the study. The grammar or caliber of English used in the handwritten comments of respondents was "pathetic," "atrocious," and "incredible," as quoted from staff conclusions regarding the study. Practically without exception the comments contained gross spelling and syntax errors to the extent that meaning was often obfuscated.

Faculty and staff response to the study in many ways was more agitated regarding the poor quality of grammar used by those replying than it was to the findings of the study itself.

The applicants were students who, in most cases, were not having trouble academically. If students with such a poor command of English were perfectly capable of handling the curriculum, it was concluded that better than average or exceptional students must also be leaving due to lack of challenge or frustration.

As a result of the many interesting and constructive findings of the survey, the Administration is culling ideas for actions and changes which could be made to lessen attrition. In this way, student response has had a dramatic effect on changing attitudes at Embry-Riddle.

On a positive note, the University is experiencing growth pains which have sometimes been severe, but in all fairness, appears to be using hard-won knowledge constructively to reduce attrition and bolster up the University's credit status which is essential to further growth. The Avion will publish further results of this study as they are made available.

Thanks to Vice President Frank Forrest and Director of Student Activities Allan Gehring for their patie it help.

## House Defeats Metric Conversion Bill

After months of languishing in the House Science and Astronautics Committee, a bill to convert the US to metric measurements was debated and defeated in less than a day, by a 240-153 vote.

The bill, sponsored by Rep. Olin Teague (D-TX) was rejected mainly because there was substantial disagreement on how the cost of converting to the metric system would be paid. The estimates run from \$60 to \$100 billion, and would include the retooling of most industries and new tools for machinists.

The defeated bill would have established a 10 year conversion period and established an American National Metric Council, a regulating body to oversee the conversion. The conversion would have affected all commercial products made in the United States.

Presently, the US is the only major industrial country which uses the English (inch, foot, pound) system of measurement. Even the United Kingdom has switched from the English system.

Despite the bill's defeat, conversion is expected to begin with in the next year or two, as Congress seemed to agree that the US should change to remain in step with the rest of the industrialized world.

Two years ago, the Senate passed a metric conversion bill, and President Nixon has already indicated he would sign such a measure. Another stronger bill is waiting in the Senate wings, and if passed there, the House could be asked to grapple again with the problem this session.

Conversion will have a drastic effect on American society:

measurements of all commercial goods will change, all distance measurements will be in kilometers rather than miles; all weights will be in grams and kilos; property will be measured in hectares rather than acres (creating a monumental re-surveying job); and building materials and machine parts will go metric—to name only a few changes.

Some facets of government and industry are already preparing for the conversion. In several states, metric measurements are being established as mandatory curricula for elementary schools. In Ohio and Minnesota highway signs have already been changed to show distances in both miles and kilometers.

In addition, to show how close to home this will come, the Levi Strauss Company, makers of a large percentage of the nation's denim clothing, has announced it will begin marketing jeans with metric measurements this year. People who wear size 26/28 will now be taking size 65/70.

## Terminal Case Of Obscenity

Students using the computer center at the University of Akron will no longer be able to use obscene language in giving instructions to the computer.

Computer center Director, John Hirschbuhl, said the computer has been programmed to demand an apology if certain four-letter words are used. If the student refused to apologize, said Hirschbuhl, the computer turns itself off.

## Correspondence Courses To Be Offered By ERAU

Riddle has appointed a committee to investigate the feasibility of offering correspondence and independent study courses. The committee is headed by Mr. Ken Deissler and serving members include Mr. Phil Weatherford, Mr. William Middleton and Mr. Tom Connolly.

The program is directed at those who have no access to a campus or residence center. The courses offered will be those hard to find aviation oriented courses required by current bulletins (ie Aviation Law, Aviation Insurance, History of Aviation, etc.). The program will also offer relief to those full time students who find themselves in a scheduling dilemma. It will enable them to take selected courses required to meet graduation prerequisites, deadlines and similar circumstances.

Recent research also indicates that a market exists in the pre-flight stage; namely the ground school phase required by a recent FAA regulation

change. Approximately 3000 people throughout the nation have expressed interest in such a program.

The committee is very interested in maintaining the same high quality standards demanded of a regular on-campus student. The committee is concerned with keeping ERAU's high quality, highly specialized reputation above those schools offering similar programs. They envision ERAU becoming a leader in its field.

The committee hopes to have a few correspondence courses available by the time the 1975-1976 bulletin is published. However, the proposal must climb and survive the administration hierarchy. This may take some time, therefore, making an exact timetable impossible. If anyone would like more information or would like to express their feelings regarding this proposal program, they may contact Mr. Deissler or any committee member.

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## In Memoriam

of

Floyd E. "Gus" Thompson

## OPINION

The opinions expressed in this paper are not necessarily those of the university nor all members of the student body. Letters appearing in *The Avion* do not necessarily reflect the opinions of this newspaper or its staff.

## Editorial

### Reputation Roulette

What is it worth, in a negative sort of value, to be expelled from college for cheating?

I'm not sure, but perhaps I can speculate. Cheating must surely signal the end of any higher education opportunity. Can't you just picture the scene in a college admissions office when an application is received with transcripts annotated "Dismissed for Cheating" or some similar phrase. I'm sure they have a form letter to accommodate this situation.

It was my misfortune to witness wholesale cheating on an exam given here at Embry-Riddle on June 14th.

If, up to this point, your picturing an individual "sneaking peeks" at a scrap of paper—forget it! I'm referring to five to eight people in a class of about 25 using complete sets of notes (four to five pages 8 1/2 x 11) and one occurrence of individuals passing answers to exam questions back and forth across aisles.

At first sight, I was amazed, then appalled and finally angered. Right now, I suppose I could best be described as disappointed. Disappointed because when I related my story to several friends, each and every one had experienced at least one occurrence of cheating on exams at Embry-Riddle. One person told me that his instructor was so trusting that he often left the room for long periods of time during examinations. To this professor I can only relate my admiration for his trust but I'm afraid that like me, he too will receive a rude awakening to the integrity of some.

But now the question, yes, the question is: what is the answer? Is it a student's responsibility to police his peers? Is it the instructors responsibility to monitor more closely? Should a person be penalized for life for a mistake like cheating on an exam? Does this person deserve a second chance? Why? What has he or she done to deserve a second chance? Do we live in a society that condones anything short of murder if it's a first offense? Does a man have to be caught twice to be punished? Is it not the fair thing to offer another chance?

These are only a few of the questions that may go through your mind as you consider this issue. What are the answers? Well, I don't have them either.

If you have observed acts of cheating in your classes take time to write in and explain the circumstances. As far as I'm concerned this is the most serious potential problem I've seen facing the University (soon to be our Alma Mater) during my enrollment here. The problem appears to be something that must be faced and acted upon by a concerned and unified student body—fast!

### On Another Subject

I'd like to talk about *The Avion*. Over the past year the Avion has published 32 issues containing some 500,000 words and 550 pictures. That kind of volume didn't just happen, it was created. (Silly with me now because I'm not going to beg for help though God knows we desperately need it.)

What I would like to talk about is what the Avion has to offer you and say a few words about an opportunity that many of you are overlooking, particularly those of you who intend to pursue careers in business.

Over the past year, the Avion has had four editors including myself. These people have had the opportunity to manage:

1. About 65 people, mostly volunteers but also some salaried employees.
2. A payroll account through four separate business managers that approaches \$11,000 annually.
3. An annual cash budget of about \$16,000.
4. Hire, fire and supervise a full-time secretary.
5. A darkroom operation that contains about \$2500 in capital equipment including two enlargers with accessories, five cameras with lenses and equipment, a stabilization processor that produces black and white prints in 2.5 seconds processing time and miscellaneous driers, timers and peripheral equipment.

6. Other capital equipment estimated at \$7000 which includes the IBM Selectric Composer that was used to type this article and causes the right-hand margin to be straight like the left one.

Away from the material side, the editor also represents the newspaper to the student body, staff, faculty and community. This aspect may be the most important, rewarding and useful part of his job.

Of course, we have been unable to attract Clark Kent to take the job. So, as the Army says, the editor "is responsible for everything the paper does or fails to do" but obviously doesn't perform all the tasks himself.

The money we spend is managed by the business manager. The darkroom operations, equipment and expenditures are supervised by the director of photography. The layout editor is responsible for the overall appearance and arrangement of the paper. The news, sports, and feature editors are responsible for all copy pertaining to their respective areas. The advertising sales representatives are responsible for a good bit of public relations and they also generate the revenue that allows the paper to receive only about 30% of its operating revenue from your student activity fees. The secretary prepares all the copy and sets all the type for every issue. The associate editor shares the overall supervising responsibilities with the editor. And the editor, well he writes the editorial. (Hang on now, I know this is long but I feel it is important.)

OK management majors and future businessmen, there it is! What I've been trying to say I'll sum up in one sentence.

The Avion offers an extra curricular activity that affords students an opportunity to manage a small business and its affairs, to make mistakes, and learn by those management mistakes here in the scholastic environment.

AMEN

*Art Vogel*

I believe both the faculty members and the students who rated them would appreciate it.

Thank you.

Daniel D. Sain, Dean  
College of Aeronautical  
Studies

Editor's Note: I agree and certainly apologize for our mistake.

GIVE...  
So more will live  
**HEART FUND**



it would be appropriate to indicate which of these did receive the highest rating. All of the members of the faculty of the College of Aeronautical Studies listed in the article received a rating of "A" or "Excellent." These are:

Marleau Adams  
Hortensia Ballina  
Bruce Chabourne  
Everett Chrisman  
Howard Curtis  
John Eberle  
Thomas Hilburn  
James Ladesic  
Donald Ritchie  
Victor Tisdell  
John Wheeler

If you could publish the information that these teachers did receive the "Excellent" rating rather than "Above Average"

Dear Art,

I am sure the students, as well as the faculty members, appreciate the recognition given to the outstanding instructors based on the Student Opinion Questionnaire from the Spring Trimester which was published in the June 14th issue of the Avion.

The article stated that 21 faculty members received a rating that averaged "B," "Above Average," or higher. I believe



## LETTERS TO THE

## EDITOR

Dear Editor and...

What do you know about your library?

There are many facets of our library that the average student does not know and it's about time the student body becomes aware of the problem.

The purpose of my letter to the Avion is to sincerely try to convince the student body to support any measure for the improvement of our, and let me emphasize our library facilities.

To give you some background into what a library should be, I have obtained some information from the Southern Association of Colleges; which is the accreditation agency of this University.

The association does not specifically require a university to maintain a certain number of books. What the association makes very clear is that a university library must have adequate holdings to support the program of the university. The Southern Association goes on to state that a library must have adequate seating available to the students. The number of seats is determined by computing 1/4 of the largest number of students on campus at any one time. Regarding money for the library, the Southern Association of Colleges recommends a library to receive 5% of the total university budget.

Now let's see if Embry-Riddle has fulfilled the requirements and recommendations of the Southern Association. According to Mr. Heyward Sauls, Director of Library Services, Embry-Riddle has 188 seats available in the two library sections combined. Can the library adequately support the University's degree programs? Not according to Mr. Sauls. He says the library is inadequate in the areas of Aeronautical Engineering, Aviation Management, Humanities and Social Sciences. Mr. Sauls went on to say that the library desperately needs a Reference Room and increased space for periodicals; most of all more room! Security is a definite problem which is difficult to control because of the exits from the reading room.

Another problem area that really shocked me was the attitude of high administrative officials of this University. I have received information from informed sources that President Jack Hunt has referred to the library as a "book mausoleum."

During an interview with the Executive Vice-President, Mr. Hugh Hanson, I asked what he thought of our library and Mr. Hanson admitted that he didn't know much about libraries but he did make one statement that floored me. Mr. Hanson feels that our existing library should not duplicate other libraries, when libraries like Daytona Beach Community College and Bethune-Cookman have good facilities already. Now I ask you, how does the student without transportation utilize other university libraries; or have you ever tried to take more than one book out at DBCC—impossible!

I remind you that our accreditation agency states that our library must support our programs not with the help of DBCC or Bethune-Cookman. Next I had an interview with Mr. Frank Forrest who is Vice-President of Planning and asked when Embry-Riddle anticipates the construction of a library or any temporary expansion of current facilities. The answer was simple; no temporary expansion is planned and there is no construction anticipated for at least four years. Then I asked, if the library is currently buying 3,000 books per year and if Embry-Riddle decides to move its graduate program up here like the Administration says, what does the Planning Department have planned for the library? Mr. Forrest's answer: that's a good question! In continuing my investigation I came across a letter signed

by Dean Motzel addressed to the Committee on Media Resources dated June, 1974. The Dean went on to say that there is a need for library expansion but he doesn't want the library to grow and grow, but he wanted the library to be dynamic. Dean Motzel wants the library to be kept limited to Aeronautics. That leaves out subjects like Humanities and the Social Sciences. I ask you, the student body is this the proper attitude for a Dean of Academics who holds a PhD. This is the main problem of any expansion of library facilities at this University, the opinion and attitudes of the upper administration.

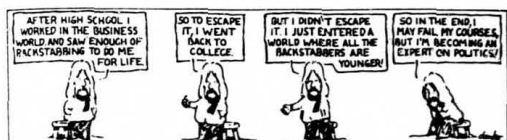
The administration has been aware of the library problem since the summer of 1973 when the Study of Student Attrition was published. I quote from the study, "The lack of adequate research facilities could definitely be a major cause of dissatisfaction and withdrawal."

They want a beautiful new University Center, they are offering new programs, they want more students, but the administration is willing to maintain a Mickey Mouse library which will hurt the students in the long run.

I recently attended a meeting of the Committee on Media Resources and these faculty members have some excellent ideas for temporary expansion; they are conducting space utilization studies, they are trying to foster positive student opinion and desperately trying to change the existing opinions of the so-called "biggies."

So what have I said, I have tried to bring to your attention a glaring problem. I have given you just a taste of the administration's attitudes. And hopefully I have convinced you, the paying student, to support any measure for the improvement and expansion of our library. In closing I'd like to read to you something Mr. Sauls told me. A good library grows but stopping growth makes a bad library.

Andy Dyndul



**Patriotism means looking out for yourself by looking out for your country.**

Calvin Coolidge

## Question: Have You Ever Considered Working On The "Avion"? And ... What Would You Like Done Or Changed In The "Avion"?



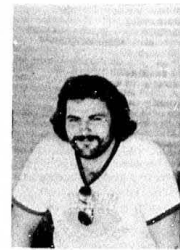
Chris Hurst

Yes, I worked on a college newspaper as sports editor plus a little of everything. I think the paper is actually well prepared but the student reaction is poor for some unknown reason.



Mez R. Berdie

Yes, I have considered working on the Avion, but due to employment and activities in other organizations, on and outside the campus, I find it difficult to be a devoted member of the Avion. It is a fine newspaper and represents the students very well.



Bill Beal

No, I never considered the job until now. I'd like to see a column set up for feedback from students on activities and what not. This would let the SGA know what the students really wanted. They might find that some of the students would like rock type concerts or dances. The paper could also use some "freak" news, after all, there are a few on campus.



Dan Henry

No, I never thought about it. The Avion is often late announcing up-coming events. Many times I have gotten the paper as soon as it came out and read things that happened a couple of days ago.



Bill Bilger

No, I have never considered working for the Avion. What I would like to see changed is the way some of the articles are written. It appears that some of the reporters are writing for a grade and for that matter a grade school paper.



Gary Orange

Yes, I have considered working for the Avion. Our SGA seems to be lacking motivation for student functions in the fall and spring trimesters. The Avion would then give me an opportunity to voice my opinion and other persons' opinions about SGA functions, which seems to be a problem.

## La Costa: The House The Mob Built

By Lowell Bergman

The national Crime Syndicate has many places where it plays and plans, from Acapulco to the Savannah Inn and Country Club. But, since it was opened in 1965, Rancho La Costa has been the flagship of the fleet and as spotless as a first class galley.

La Costa, southern California headquarters and resort for NCS, has been raided only once, and the reason was to protect its clean image. As one local police official remembered, "There was a convention of builders, who were running a 24 hour card game. We were called in and arrived in force. The old boys were jumping out of the windows. But what was more bizarre was the call to make the raid. It came from the management."

Twelve years ago, this was the Riviera of the Pacific: thirty miles of open beach, stretching south from the massive Camp Pendleton Marine base near San Clemente to the northern edge of the city of San Diego. The coastline was dotted by sleepy beach towns, nestled between crane-filled lagoons, meandering inland to arroyos and rolling hills.

All this began to change in 1962. Soon after Allard Roen was convicted of stock fraud, and had to give up his active role in Las Vegas, Roen, Merv Dalitz, Merv Adelson and Irwin Molinsky paid \$3.5 million for the 1000 acre Meadowlark estate in northern San Diego county.

Having made millions in Las Vegas, the Syndicate spared nothing on La Costa, which soon flowered into a 5000 acre development with 1400 residential units, including both condominiums and private estates. It boasts a \$6 million hotel, a health spa (the only one in the country approved by the AMA), a theater, restaurants and convention facilities—all kept trim by 650 full-time and 400 part-time employees.

NCS Patriarch, Dalitz has "a thing" about golf and tennis, and La Costa is studded with 17 tennis courts. When Dalitz left his Las Vegas home adjoining the Desert Inn golf course, it was to relocate in an almost identical home adjacent to the world's largest and most expensive (\$2.4 million to date) course at La Costa. The course is also home for the PGA Tournament of Champions, a Desert Inn feature that Dalitz brought with him to California.

The tournament typifies La Costa's style: each player is given \$2000 plus expenses just

for showing up. Until 1971, the 170 crowd control marshals were active-duty US Marines, bused daily from Pendleton, fed all week long and given a golf hat and windbreaker for their trouble.

The greening of the azid grazing land was costly. Unlike most investors and developers, however, the La Costa crew had some extraordinary resources. Three trustees of the Teamster Pension Fund sit on the La Costa board, and \$50 million in Teamster funds have gone into the work.

The ease with which Pension Fund cash has poured into La Costa is reflected in the minutes of a Pension Fund meeting in 1965. La Costa Director Merv Adelson wanted a loan of \$4 million at low interest rates for real estate investment. The parcels of land in question were "directly across the golf course," he told a Board member, "from where your wife wanted to build a house, but you wanted it on the other side." Adelson got the money.

An additional \$20 million came from Prudential Life Insurance (administrators of the Western Conference Teamsters Pension Fund) American Life, The United States National Bank (which collapsed in 1973—the largest bank failure in US history), and Home Federal Savings and Loan.

Since the new syndicate image is clean—almost sterile—its significance can no longer be gauged by counting cases of bootleg whiskey or roulette wheels in back rooms, and the days of the machine gun battle over territory are long gone. The guests at La Costa, and their purposes—the possibility of violent police raids—tell the story of organized crime today.

Frequent visitors to La Costa according to reliable law enforcement sources in the area, include some of the most important syndicate figures in the country. To name a few:

Lou Cheder, a 300 pound Canadian who has been in and out of organized crime for 15 years, was a key figure in the NCS's Florida-based real estate conglomerate, General Development Corporation.

Wallace Groves began his career with a conviction for mail fraud. In the 1960's he represented Lansky in the development of casinos in the Bahamas. Groves's presence at La Costa has prompted law enforcement probes into possible hidden financial backing for La Costa and related projects.

James Braden (also known as E. H. Brading), a charter member of La Costa and long-time

resident, is still a frequent visitor. According to Peter Noyes in *Legacy of Doubt*, Braden transferred large sums of unreported cash for the syndicate to overseas banks. Braden was once questioned by federal agents after \$200,000 in cash was found in his locker at La Costa.

Eugene V. Klein, past board chairman of National General Corporation, is part-owner and director of the City National Bank of Beverly Hills, described in police reports as a key financial institution for NCS operations.

Sidney Korshak, the mob's representative in the money-hungry Hollywood of the 1930's, has risen to become a big-time lawyer and "arranger" of appearances by celebrities like Debbie Reynolds (a \$1 million contract in Las Vegas), Dean Martin, Kirk Douglas, and Dinah Shore.

Korshak, like Klein, has no arrest record, and is typical of the "new image" mobster. Like Klein, he would seem to be just another fast-talking La tycoon adept at the ins and outs of the stock market. But he has profitable connections: when Dalitz was trying to sell the Stardust, in 1969, Korshak found a buyer, Parvin Dohrnman—for which he was given over \$500,000 in addition to his insider's profits from fluctuating Parvin Dohrnman stock fluctuations. Ten years younger than Dalitz, Korshak is seen by many as Lansky's successor as NCS board chairman.

Meyer Lansky himself reportedly slipped into La Costa for four days in 1970 under an assumed name, according to police intelligence sources.

Keeping La Costa clean means keeping less respectable associates at a distance—but not too much of a distance. The Acapulco Garden Bar, in Oceanfront within easy calling range of La Costa, is a favorite hangout of Anthony Spilotro, last arrested in March, 1974, for murder; and Marshal Caifano, suspect in a score of Chicago murders and one of eleven men banned by the state from entering Nevada's casinos.

Since 1969, the La Costa group has become active in multi-million dollar real estate deals. Adelson and Molinsky-part owners and co-directors, like Roen—have guided the development of La Costa's new 100 acre industrial park. La Costa even tried (unsuccessfully) to have the scenic Pacific Coast Highway moved inland to make room for further expansion.

Land near La Costa is going for up to \$50,000 an acre, but with Pension Fund backing at the turn of a spigot, finance causes barely a worry to the La Costa crowd. "They seem to have an endless supply of money," complained one pro-

ponent San Diego financier. "We can't compete with them."

La Costa has an aura of respectability, surely, but appearances can be deceiving. "I used to be assigned to La Costa," a former police official mused. "I was sure glad when I was transferred. Those people are really powerful. They run their own show. Someone could get killed out there and you would never know it."

NEXT: The Teamsters Central States Pension Fund: A Private Bank for the NCS.

Lowell Bergman has been investigating organized crime for over three years. His material has appeared in *Life*, *The New York Times*, and other publications.

## Air Traffic Up 6% In Year

The 1973 air traffic activity report released by the Federal Aviation Administration of the US Department of Transportation shows that operations increased six percent across-the-board at FAA airport control towers, air route traffic control centers and flight service stations.

The six percent gain was the largest recorded by towers since 1968 and followed three straight years of declining activity levels. In the centers, the six percent figure was the biggest increase since 1969.

The total number of operations (take offs and landings) at the 386 control towers operated by FAA last year was 56,533,953. The 1972 figure was 53,255,919.

Chicago's O'Hare International Airport remained the nation's busiest airport with 695,303 operations. It was followed by the California Airports-Santa Ana with 632,657, Van Nuys with 581,341, Long Beach with 551, 615, Atlanta, Ga., was fifth with 518,685.

In terms of air carrier operations only, the five busiest airports were Chicago O'Hare, Atlanta International, Los Angeles International, New York John F. Kennedy and San Francisco International.

Total number of aircraft handled by the 27 air route traffic control centers last year was 23,348,832 as compared with 22 million in 1972. The centers are responsible for the control of aircraft operating under instrument flight rules between airports.

Cleveland was the busiest of the 27 centers with 1,728,590 operations. Next in line were Chicago with 1,650,112; New York with 1,613,528; Atlanta with 1,437,584; and Washington with 1,373,464. Other centers with more than one million aircraft handled were Indianapolis, Fort Worth, Houston, Memphis, Jacksonville, Miami and Los Angeles.

The top ranking flight service stations in terms of flight services provided (pilot briefings, airport advisories, flight plans handled, etc.) were Los Angeles, Chicago, Miami, Washington National, Detroit City, San Juan International, Boston, Oakland International, Houston and Atlanta International. The number of flight services provided by each ranged from 965,023 for Los Angeles down to 620,530 for Atlanta.

Total flight services provided

by the more than 350 flight service stations operated by FAA in 1973 was 57,219,450 a six percent increase over the 54,165,281 recorded in 1972.

## Communications Shows Differences

Two Boston University psychologists have discovered a difference in how black people and white people talk to each other—a difference that can cause misunderstandings and communication problems.

Marianne La France and Clara Mayo state that when blacks are conversing, it is customary for the speaker to look at the listener, while the listener looks away. For whites, however, it is more common for the listener to look at the speaker, while the speaker looks away.

La France and Mayo state that while this is a subtle difference it can cause uncomfortable moments when blacks and whites converse together.

La France and Mayo studied films of blacks and whites talking to each other, and noticed that when the white person was talking, both people were often looking away from each other. The white listener, glancing occasionally in the direction of the black listener, assumed that the listener was not really interested in what was being said.

When the black person talked both people looked directly at each other; this caused the speaker to pause, expecting an interruption, or to feel overly self-conscious.

The psychologists conclude that subtle mannerisms that are produced by cultural up-brings may cause important though unexplained communications problems.



Suds comin' up and dogs goin' down! Students, guests, staff and faculty enjoy TGIF sponsored by the SGA. The next "Thank God It's Friday" will be held July 12th.



## A Little Explanation On Behalf Of The Library

The Media Resources Department is a central service agency charged with supporting the faculty and staff, both creatively and technically in the areas of communications media. Consisting primarily of the library and audio-visual department, media resources offers a wide range of hardware and software to help maximize the utilization of personnel, teaching/learning strategies, materials, and equipment, and for the revision, extension and refinement of these.

It is the Media Resources Department's responsibility to design, operate, maintain and improve the media facilities of ERAU in support of the University's goals in instruction, research, and continuing education. This support is not only in the technical and logistical areas of communications, but includes the availability of training for faculty, staff and students in the proper and creative uses of materials and technology. When materials are not available, Media Resources is responsible for creatively developing the necessary materials and learning systems. To effectively allow maximum use of the media resources, a series of systems and procedures has been put in place. These provide guidance for personnel using the M-R Department, as well as those operating its various divisions. Applicable systems and procedures are described functionally in the sections of this article describing the services which are available.

If additional services are needed, and not listed in this article, the Media Resources staff will be happy to consult with individuals or groups about any media need.

The Embry-Riddle library is in two locations. All aviation related materials and books in the "I" classification are in Room 115, Building M, of the Gill Robb Wilson Complex. This includes current issues of aviation related periodicals.

The remainder of the collection and all back issues of periodicals are in Building A of the Academic Complex. In order to assist the circulation department of the library, please return books at the check-out point: that is Gill Robb Wilson books to Gill Robb Wilson; Building A books to Building A.

### HOW TO USE YOUR COLLEGE LIBRARY

To help you locate and select materials is the major purpose of this section. It is designed to familiarize the user with our library's policies, procedures and special features.

This is an open-stack library, arranged so you may make your own selections from the shelves. Feel free to browse and spend considerable time pursuing your special interests.

Please feel free to ask the library staff to help you at any time. Our aim is to help you with your reading needs for intellectual growth and pleasure.

Notice the library hours posted at each location. Any changes will be announced in advance.

### HOW TO FIND A BOOK

The card catalog is the key to any library collection. It is an alphabetical listing on cards of all books and other materials in the library. It serves as a subject guide to the contents of these books and materials, as well as a guide to the authors and titles. Thus, the card catalog contains two or more cards for each book in the library.

An important source of information on a wide variety of subjects is the library's periodical collection. The library subscribes to 250 periodicals ranging from popular weeklies such as *Time* to highly technical quarterlies such as the *Quarterly of Applied Mathematics*. By periodicals, we mean magazines, quarterlies, journals, and other publications which appear in a continuous series. Articles cover a range from current news to specialized subjects.

Current issues are in the Reading Room. Back issues are in Room 117, but you may need the assistance of the library staff to locate the desired information. A limited number of periodicals are available on microfilm. Check with the librarian for this information. The microfilm, a microfilm reader and printer are kept in Room 117.

Since periodicals are not listed in the card catalog, it will be necessary to consult printed book indexes. For effective use of periodicals in preparing reports, speeches, or term papers, you must know how to use these indexes. The most familiar is the *Readers' Guide to Periodical Literature* which indexes general, non-scholarly magazines by subject and author.

Suppose you are interested in vertical take-off and landing (VTOL) airplanes. By checking the heading "Airplanes, vertical take-off landing" in the *Readers' Guide*, you will note an article "Vertical studies in rotary wing VTOL" by R.D. Hibben which appeared in the July 25, 1966, issue of *Aviation Week*. Check with the library staff for the microfilm of this issue of *Aviation Week*.

The *Readers' Guide* and other indexes are on special tables in Room 117. If you need help at any time, please ask any member of the library staff for assistance.

Pamphlets, NASA publications, Bell Telephone Monographs, etc., are located in the periodicals room (Room 117). Also, a vertical file containing miscellaneous pamphlets, maps, etc., is kept in the Periodical Room. Let your needs be known, uncatalogued materials in this file may be just what you need for that report you're working on.

### PERSONAL AUTHOR CARD

QA 266. Burton, David M.  
B8 An introduction to abstract mathematical systems by David M. Burton. Reading, Mass., Addison-Wesley (1965)  
vii, 120 p. 24 cm. (Addison-Wesley series in introductory mathematics)  
1. Algebra, Abstract. I. Title. II. Title: Abstract mathematical systems.  
QA266.B8 512.8 65-19237  
Library of Congress 7-1

The author card is usually the main entry card—the basic card containing the fullest information about the book. The surname (last name) of the author is first on the card, then the Christian or given name. If an author has written several books, the cards will be arranged alphabetically by the titles under his name. The author may also be a government agency, a university, or a society—known as a corporate author

### CORPORATE AUTHOR CARD

TL 546.7. National Aerospace Education Council  
Aerospace highlights: facts and figures from the aerospace world. Washington, 1962.  
54 p. illus. (part col.) 22 cm.  
Published by the council under its earlier name: National Aviation Education Council  
1. Aeronautics. I. Title  
TL546.7.N3 629.13 62-5055 rev  
Library of Congress r64c2

On the title card the book's title is typed on the first line. If the author's name is not known, it may be quicker to locate his book by the title card, a duplicate of the author card with the title typed in black above the author's name.

QA 266. Burton, David M.  
B8 An introduction to abstract mathematical systems by David M. Burton. Reading, Mass., Addison-Wesley (1965)  
vii, 120 p. 24 cm. (Addison-Wesley series in introductory mathematics)  
1. Algebra, Abstract. I. Title. II. Title: Abstract mathematical systems.  
QA266.B8 512.8 65-19237  
Library of Congress 7-1

All books containing information on specific subjects are listed in the catalog under words, or phrases describing these subjects. Look under the most specific subject first. If you do not find sufficient materials under a heading, check under a broader one which may list books containing chapters on your particular topic. The subject card is a duplicate of the main entry (author) card with the subject typed in RED CAPITAL LETTERS on the top line.

CA 266. Algebra, Abstract  
Burton, David M.  
B8 An introduction to abstract mathematical systems by David M. Burton. Reading, Mass., Addison-Wesley (1965)  
vii, 120 p. 24 cm. (Addison-Wesley series in introductory mathematics)  
1. Algebra, Abstract. I. Title. II. Title: Abstract mathematical systems.  
QA266.B8 512.8 65-19237  
Library of Congress 7-1

Author and title cards are filed together in one section of the catalog while the subject cards are in a separate section. Cards are arranged according to the English alphabet word by word, alphabetical letter by letter to the end of the word. For example:

New Jersey  
New York  
Newark  
Newspapers  
Title cards are filed under the word following "A" "An" and "The" and their foreign equivalents. Abbreviations are arranged as if spelled out. For example, St. would be filed as if it were "saint," Mr. as mister, Dr. as doctor and US as United States, etc.  
Initials are filed before words beginning with the same letter.  
For example:  
AAS-NASA Symposium  
The Abacus and the Rose  
Abbott  
Abbreviations

Numerals are arranged as if spelled out: 7 as seven; 1812 as eighteen twelve and 100 as one hundred, etc.

Proper names beginning with M', Mc or Mac are all filed as if spelled Mac. For example:

McCune  
MacCunn  
McCurdy

If you cannot find what you want, or if you have difficulty in using the card catalog, ask any of the library personnel to help you.

The call number of each book appears in the upper left corner of each card. This number, which also is marked on the spine of the book, identifies the book and places it on the shelf with other books on the same subject. The first two lines of the call number (QA 266 for example) indicate the classification (QA—Mathematics) or subject of the book. The other letters represent the author of the book (B8, for example, represents Burton, David M.)

Embry-Riddle uses the Library of Congress classification system.

## FAA Publishes Hang Gliding Regs

Recommended safety standards for the fast-growing sport of hang gliding have been published by the Federal Aviation Administration of the US Department of Transportation.

FAA Administrator Alexander P. Butterfield said he hoped implementation of the new guidelines by hang gliding groups would make regulatory action unnecessary. However, he added that FAA will continue to monitor the growth and safety status of the sport to determine what additional steps might be required to protect those involved in this activity.

"Hang gliding" or "sky sailing" involves the use of very light vehicles that are self-launched and unpowered. The sport has grown very rapidly in the last several years, especially in open, unpopulated areas where favorable wind conditions exist such as mountains and beaches. The operator of the kite-like craft is suspended below the wing and guides the vehicle by shifting his body weight.

The specific operating guidelines spelled out in a new FAA Advisory Circular include: Limit altitude to 500 feet above the general terrain.

No flying within controlled airspace, specifically a control zone, airport traffic area or within five miles of an uncontrolled airport without proper authorization.

Stay out of prohibited and restricted areas unless prior permission is granted by the controlling or using agency.

No operations over or within 100 feet horizontally of buildings, populated places or assemblages of persons.

Remain clear of clouds.

In addition, hang glider manufacturers are urged to develop criteria for materials and construction techniques and to implement adequate quality control.

trol. Hang gliding clubs are advised to establish training and safety programs and to coordinate their activities with proper FAA authorities.

Copies of the Advisory Circular, "Recommended Safety Parameters for Operation of Hang Gliders," AC60-10 may be obtained from the nearest FAA Field Office.

## VET'S CORNER

by Gary Earls

Attention all Vets who were on active duty during October to December 1972, the back pay from that period should be paid between July and September to all Army and Air Force Vets. All Navy and Marine Corps Vets, you must submit DD form 827 which will be available at the Vet's bookstore.

For all Minnesota Vets, your state is paying a bonus. For further information write:

Department of Veteran Affairs  
State Capital

St. Paul, Minnesota  
All Vets who left the service within the last year, now is the time to apply for your dental benefits. It takes several weeks for the VA (the same friendly folks who send your monthly checks) to approve the application. Apply at the Veterans Service Office on the third floor of the Courthouse Annex and be sure to take a copy of your DD 214.

Vet Rumor of the Week: The House of Representatives and the Senate are trying to compromise on an increase in education benefits. The increase could be from 8% to 18.2% over the present rates.

★★★★★★

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Published weekly throughout the academic year and distributed by THE AVION, Embry-Riddle Aeronautical University, Box 2411, Daytona Beach, Florida, 32015. Phone 252-5561, Extension 73. Trimester subscriptions \$3.75. Second Class Postage paid at Daytona Beach, Florida. Total printed at Halifax Reporter.

## Results Of Library Rip-Off Talled

With over 75 responses in so far, the results of the "Library Rip-Off" questionnaire are very interesting, and certainly have given the Media Resources Committee some food for thought. A tally of responses indicated the following:

1. Additional reserved read-

ing space.

2. Additional stack space.

3. More volume.

4. More space in Periodical Room.

All entries indicated a need for a new library, and additional books. Eighty percent (80%) requested only one library, and

expanded areas, and 70% wanted one or more of the following:

1. Additional pleasure reading books.

2. Small study rooms.

3. DBCC library cards.

4. Expanded subject areas.

5. More periodicals.

6. Additional reference materials.

7. Improved microfilm and xerox machine capabilities.

The results indicate a need for mission and objective clarification, followed by appropriate action to resolve a number of the differences. The Media Resources Committee and Department are currently processing this data with reports (and action) scheduled for this fall.

On behalf of myself, the Media Resources Department and the Committee, thank you one and all for participating in this portion of the future of Embry-Riddle.

Paul Kalashian

Editors Note:

I'd like to thank Mr. Kalashian for taking time to ask for and consider the students' wishes. Also, library use cards for DBCC may be obtained from Dr. Saul in the library. The card must be renewed each trimester.

★★★★★★

### LIBRARY RIP-OFF

Right! — RIP-OFF this coupon, complete the blanks, and drop it off in the Library. Results will be tabulated and used to provide guidance for the Media Resources Library Planning Committee.

In the order of preference, which do you feel the library needs to expand first? Second? Etc.,

\_\_\_\_ Reading Room Space \_\_\_\_ Periodical Room \_\_\_\_ Stack Space \_\_\_\_ More Volumes \_\_\_\_ Other

If you could add one thing, or make one change at the library, what would it be?

Do you feel we have adequate books (quality and quantity) to support your studies?  
Do we need to expand any areas? Which ones?

If you wish, on a separate piece of paper, pour out your secret wishes as they relate to the Riddle Library! ...we'll both be glad you did.

Thanks...  
Paul Kalashian

# Classified

## for sale

FOR SALE—Girls ten speed bike, Schwinn Varsity model, w/fenders & light. \$80. Andy Dyndul, Box 461 or 672-8349

FOR SALE—68 VW. New tires, paint & battery. Inspected & tags. Excellent condition, runs great! \$895. Call 252-3049.

FOR SALE—Double bed mattress & box springs \$40. Also 6 cu ft fridge/freezer & veg bin 3 ft tall \$75. Leave note for Al in ERAU Box 402.

FOR SALE—70 Triumph 650 Tiger in very good condition. Call Byron at 253-0460.

FOR SALE—Alfa-Romeo Berlina, 5 speed, 4 disc, Michelin radials, like new. Call 255-8927.

FOR SALE—64 VW \$300 or best offer. Front end modified. Call Walter at 253-2944.

FOR SALE—70 VW Bug, Excellent Condition. Call Jean Hatter at 252-5651 ERAU ex 51.

FOR SALE—Completely furnished mobile home, 2 bdr, 1 full bath, air conditioned, central heat, near ERAU, must sacrifice, leaving town. For info call Mr. Long 252-8661 or 252-2972.

Rooms for rent. Call Andy, 255-5222

## wanted

The SGA needs a secretary for four hours a day. Hours are flexible. For information, call Jack Sheehan, extension 26.

WANTED—Newspapers and magazines for South Daytona Fire Dept. paper drive. May be left at the Avion office.

HOUSE TO SHARE—Everything included...utilities, linen dishes, phone, air conditioned carpeted, cable 25" color TV. Private bdr 1 person \$80/month. Share bdr 2 people \$50/month. Available June 22. Call 253-7879

## From The Placement Office

We have several job openings for you this week, ranging from \$2.00 to \$2.50.

The Fishing Hole Rod and Reel Repair.

K-Mart—Door Guard.

Speedway 76 Service Center—Attendant.

Yard Work and Floor Cleaning (\$2.50/Hr).

Shady Rest Cemetery—Attendant.

Pappys Restaurant—Experienced Pizza Man.

Southern Equipment and Sales—Warehouse Work and Delivery.

If you are interested please contact the Placement Office for details. Our office is open from 8:00 AM to 5:00 PM.

## Coop Education Provides Opportunity To Evaluate Career

By Barbara Lyons

By definition, Cooperative Education is a program of alternating periods of on campus study and off campus work periods, whereby a student can

gain practical and professional work experience in his or her career field.

Cooperative Education provides the student with the opportunity to evaluate his career field from the standpoint of an employee; knowledge of other areas of employment which are closely related to the chosen career path; professional contacts in the industry; and a means of financing part of his educational expenses. Coop also serves to motivate the student in his academic achievements, and assists in the development of the student personally and professionally.

Usually, the coop student has the capability of earning a higher permanent starting salary, and will be offered a permanent position upon graduation.

The coop assignments will sometimes serve as a base for length of service time with the coop employer, also.

During this summer trimester there are students cooping with Jacksonville International Airport, Deland Airport, and NAA Langley Research Center. Beginning in September, there are slots available with Montgomery Wards and Daytona Regional Airport, as well as the ones already mentioned. Additional contacts have been made for the initiation of coop slots for the near future—possibly September.

Certain qualifying criteria must be met to participate in the program, and the positions

are competitive with final decision made by the employer. The student must not be on probation (conduct or academic), must have completed one full trimester at Embury-Riddle prior to inception of the first work assignment, must have completed approximately 60 credit hours, and must demonstrate a sincere interest in furthering his career goals through practical work experience.

If this program is of interest to you, please stop by the Placement Office and complete an application. Completing an application does not obligate you in any way, nor does it guarantee placement. The coop slots are usually competitive and the final decision is made by the coop employer. However, we will strive to find a position which will further your career goals and give you relevant job experience.

\*\*\*\*\*

## ALUMNI NEWS

Richard Basco, an A&P graduate in June 1971, is located in Pottstown, Pa. He is Chief Mechanic for the Basco Flying Services.

Robert Belinke, graduated in December 1970 with a BS degree in Aviation Management. He is presently associated with the FAA at O'Hare Airport in Chicago, Illinois.

Charles Boivin, is a 2nd Lt. in the Air Force and at present an Aircraft Maintenance Officer. Chuck graduated with a BS in Aviation Management in April 1973.

Robert A. Cramer, a December 1973 graduate with a BS degree in Aeronautical Science, is working for the Petroleum Data Corporation in New Jersey.

Anthony DeSilva, is associated with Universal Underwriter I.C. in Florida. He is a univocor coordinator. Tony graduated with a BS in Aviation Maintenance Management in December 1973.

Martin F. Donnelly, an A&P graduate in the class of February 1966, is a student in the US Navy for A-7E Corsair II Aircraft Maintenance.

James Gorsin, is presently employed by the General Electric Company at the Knolls Atomic Power Lab in Schenectady, New York. He holds a BS in Aeronautical Engineering and graduated in December 1971.

Howard Grant, a graduate with a BS degree in Aviation Management from December 1970, is currently the Information Support Coordinator with Trans International Airlines. He is based at Oakland, California.

David Harvey, is working as Regional Credit Administrator for Commercial Credit Equipment Corporation in Peoria, Ill. Dave graduated in December 1972 with a BS in Aviation Management.

Reid N. Jewett, graduated in August 1971, with a BS degree in Aeronautical Science. He is General Manager of Pettit Equipment, Inc., in Elnora, N. York. Pettit Equipment is a 3

## Alumni News



Lt. Larry C. Schillings

Enid, Okla.—Second Lieutenant Larry C. Schillings, son of retired Air Force Lieutenant Colonel and Mrs. Charles E. Schilling.

lings of 4404 Jamerson Place, Orlando, Fla., has been awarded his silver wings at Vance AFB, Okla., upon graduation from US Air Force pilot training.

The lieutenant is being assigned to McConnell AFB, Kan., where he will fly the KC-135 Stratotanker with a unit of the Strategic Air Command.

A 1965 graduate of Surattville Senior High School, Clinton, Md., the lieutenant received his BS degree in business in 1971 from Embury-Riddle Aeronautical University, Daytona Beach, Fla. He entered the Air Force in November 1972, and was commissioned in 1973 through Officer Training School at Lackland AFB, Texas.

His wife, Janice, is the daughter of Mr. and Mrs. Edward Trimmer of 10 Ridgewood Ave., Ormand Beach, Fla.



Lt. Richard L. Hunter

Del Rio, Tex.—Second Lieutenant Richard L. Hunter, son of Mr. and Mrs. Lewis S. Hunter,

Wallworth Park Apartments, Cherry Hill, N.J., has been awarded his silver wings at Laughlin AFB, Texas upon graduation from US Air Force pilot training.

Following specialized training at Holloman AFB, NM, he will be assigned to Luke AFB, Ariz., for duty.

The lieutenant, a 1965 graduate of Palmyra (N.J.) High School, received a BS degree in Aeronautical Science in 1972 from Embury-Riddle Aeronautical University, Daytona Beach, Florida and was commissioned in 1973 through Officer Training School, Lackland AFB, Texas.

His wife, Susan, is the daughter of Mr. and Mrs. Irving V. Degler of 431 Buttonwood Lane Cinnaminson, New Jersey.

million dollar lawn and garden, farm and industrial and construction machinery business.

Raymond Loehner, is employed by Airborne Freight Corporation as International Manager at the Dallas/Fort Worth Airport. Ray is a 1970 graduate with a BS in Aviation Management.

David Malmud, received his BS degree in Aviation Management in August 1971. Dave is a Distribution Control Supervisor with Bell Helicopter International in Teheran, Iran.

Douglas MacLean, is a 2nd Lt. in the Air Force. He graduated from pilot training and is assigned to Pope AFB, N.C.

Douglas graduated from ERAU in 1971 with a BS in Aeronautical Science. He completed his M.Ed. degree at Middle Tennessee State University.

James Quinn is a sales representative with the Don Horn Co. (Aeronautical Supplies) in Memphis, Tennessee. Jim graduated in April 1973 with a BS degree in Aeronautical Science.

Jess Rowland, graduated in the December 1973 class with a BS in Aviation Management and a BS in Applied Math. He is employed by IBM as a Junior Programmer in Kingston, NY.

Brett Spitalny is presently a

structural engineer with the Wesna Aircraft Company in Wichita, Kansas and is enrolled in graduate school, Wichita State University. Brett graduated from ERAU with a BS in Aeronautical Engineering in August 1973.

Luis Tous, is employed by the Puerto Rico Ports Authority as a Planning Engineer. He is also enrolled in law school. He is a graduate from the class of December 1971 with a BS degree in Aviation Management.

The following ERAU graduates are all presently employed by Pratt & Whitney, West Palm Beach, Florida:

Ronald C. Chivers  
BSAE 1965  
Charles E. Clark  
BSAE 1963  
BSAMET 1964  
Larry Landall  
BSAMET 1973  
BSAF  
Robert J. Liddiard  
BSAE 1962  
John Lillberg  
BSAE 1963  
BSAE 1964  
Terry D. Maxwell  
BSAE 1964  
Patrick Peltor  
BSAE 1972  
Leo A. Pivnicka  
BSAE 1964  
BSAE 1965  
Gary Plassman  
BSAE 1972  
Thomas A. Rackley  
BSAE 1963  
BSAE 1964  
Raymond J. Roetman  
BSAE 1969  
Ronald E. Sands  
BSAE 1964  
Howard R. Siegal  
BSAE 1967  
BSAE 1967

**MEN - WOMEN - CHILDREN**  
**NAME BRANDS**  
• SWIMWEAR  
• BEACHWEAR  
• ACTIVE SPORTSWEAR  
• GIFTS-SOUVENIRS  
**THE SAND BOX**  
Photo of Free Parking Open to All Days  
1714 S. Atlantic, 252-9678  
(Across AIA from Holiday Inn Beachside)  
1024 Main St. 255-7846  
(At the Boardwalk)  
519 N. Atlantic, 253-5533  
(Across AIA from Daytona Plaza)

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THU. SPAGHETTI .99

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CORNED BEEF	1.65	AMERICAN CHEESE	1.95
SORRENTO SPECIAL	1.65	SPICED HAM	1.95
PASTRAMI	1.65	BOLOGNA & AMERICAN	1.95
VEAL & PEPPERS	1.65		
ROAST BEEF ALA SORRENTO	1.65		
STEAK & ONIONS	1.65		

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## E-R Student Reflects On Man — Voodoo — Witchcraft

by Fred M. K. Karuga

My hands were trembling and sticky. The little room that we sat in was tormented with heat. The witchdoctor was still saying his interminable prayer. You might say he was consulting the spirits to judge our suspect. If the suspect was found guilty he would have to produce the missing radio that belonged to Mr. Onyanga. This was our third suspect.

The witchdoctor flourishes in societies because of the belief that both the spirits and the human world are surrounded by two opposing forces, the good and the evil. The witchdoctor (known in swahili as Mngana) is on the side of the good. His duties are to serve his community from all evil spirits and wicked men. However, if rubbed the wrong way, he can be very destructive.

Mr. Onyanga had approached the Mngana on this Sunday afternoon telling him about his missing radio that he highly valued. All the suspects had been summoned. The Mngana had asked me to assist him in analysing the suspects. The suspects were individually invited into the Mngana's room. Each suspect was asked to lower his hand in between four bamboo sticks. I held two of the bamboo sticks about a foot apart, while the witchdoctor held the other two. The sticks touched at the tips. After lowering his hand, the suspect was asked to repeat a few things, like his name, his father's name, where he came from and also was made to promise that whatever he said was true or else the spirits of the dead would strike him! The Mngana would then

talk to the spirits in a low, continuous whisper. As he advanced, the bamboo sticks indicated what the spirits had to say. If the sticks diverged, the suspect was not guilty and converging sticks indicated a guilty suspect. After we had finished with all the suspects we had come up with one guilty suspect. Mr. Onyanga did indeed get his radio back.

Witchcraft and sovery are words that refer to systems of beliefs centered on the idea that certain human beings in a community may harm or help their fellow man by supernatural power. Witchcraft is the exercise of supernatural power for social or antisocial purpose. The propensity to be a witchdoctor is attributed to heredity. A four year college education will not make you a witchdoctor, it's a life-time profession and you have to be gifted with the supernatural power to communicate with the spirits.

Witchcraft, voodoo or magic is practiced all over the world and has been in existence for centuries, for even Shakespeare wrote about it. To the westerners the word voodoo usually denotes black magic and uncouth superstitions such as sticking pins in dolls, casting spells, lighting black candles in cemeteries, calling up the dead and being familiar with monsters, spirits and zombies. However, in reality this is not always the case, especially with the African mode of voodoo and witchcraft.

Tom is a young man that is attending college here at Riddle. Tom is from Uganda which is in East Africa, on the western side of Kenya. Tom believes

in witchcraft (just like I do.) This is because he has witnessed it. I think that is the name of the game; you have to see to believe. Anyway, Tom tells me that the witchdoctor is of a great service to the community. For example, if everything seems to be going wrong, it could be that the spirits of your dead grandfather is mad at you. For a price, usually a white spotted sheep, the witchdoctor can solve the problem. If you are madly in love with a girl that you can not get next to the witchdoctor will fix it.

Most of the western societies do not believe in witchcraft nor voodoo. They have hardly been exposed to any sort of "heavy" witchcraft or voodoo in their societies. The western societies have been more accustomed to receiving their services from more accepted means. If Mr. Onyanga was living in one of the American states, he would probably have reported the crime to the police. He could have done the same in Nairobi but he chose to go to a witchdoctor. Any sort of personal problem is solved by the witchdoctor. Out here you would visit a psychiatrist, a human being who doesn't have any supernatural power! Scientists have dismissed the notion of witchcraft or voodoo on the grounds that it is psychic phenomenon.

The Australian magician can cause a man to die without setting a hand on him. The Fijians are known to walk on red-hot stones. The rain-makers of Africa are known to cause the rain to fall. The Mngana is known to cure diseases that professional doctors have failed. They have been known to cast spells. The proof is there, voodoo and witchcraft do indeed exist.

## SGA Senate Meets

The Student Government Association held its third meeting of the Summer Trimester Tuesday, June 18. In the absence of a Vice President, the meeting was conducted by Joe Martin, the senior senator on hand.

The majority of business conducted involved filling the numerous vacancies of necessary SGA positions, including Vice President and President Pro Tempore. In Senate Resolution 74-7 the senators voted to confirm the appointments of the following students as Student Court Justices:

Arthur G. Brooks  
Carl B. Chapman  
John J. McCabe  
The Senate also passed Senate Resolution 74-8 to confirm the following appointments:

Jeff Condry—Chairman, Social Functions Committee.  
Hugh Roberson—Chairman, Finance Committee and Member, Academic Policies Committee.

Stanley Bartlett—Member, Academic Policies Committee.  
Francis Negri—Member, Flight Experience Evaluation Committee.

Anne Irving—SGA Secretary.  
Senate Resolution 74-9, proposed by Senator Bartlett, considered an Academic Policies Committee proposal to establish the minimum passing grade in a required core subject be the letter grade "C." The Senate voted to oppose the policy as not being in the best interest of the University and students. The Senate also approved

Bill 74-9 which provides for a harsher penalty to individuals who fail to register their cars in accordance with campus regulations.

As the last item of business the Senators elected two of their members to fill the vacancies for Vice President and President Pro Tempore. Stanley Bartlett was elected as SGA Vice President for the term ending in September 74. Vice President Bartlett will not graduate until April 75 and should provide some continuity through the upcoming fall elections.

Joshua Tallentire was elected President Pro Tempore of the Senate for a term expiring when he graduates in December.

## Attention Students

FAA written examinations will be administered in Gill Robb Wilson, Room N-112 on July 11, 1974. Examinations will commence promptly at 0930 hours.

Students who desire to be tested must register for a specific examination, in GRW Room L-200, by July 1, 1974.



## For What It's Worth

Definition of Consultant by Robert Townsend

Someone who borrows your watch to tell you the time, and then walks off with it.

## Aviation Career Seminar

2:30 P.M. EVERY TUESDAY IN ROOM 108

- JULY 2 President Hunt - Aviation Careers
- JULY 9 Placement Procedure - Barb Lyons
- JULY 16 ERAU Grad Program - George Hard
- JULY 23 Russia Today - Chuck Kasler
- JULY 30 ROTC - Air Force ROTC Dept.

Gotcha'!

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## ST. AUGUSTINE AND MARINELAND THURSDAY AND SUNDAY

Adult \$ 7.75  
Child (11 and under) 4.00

## INCLUDES

- 1— Roundtrip Motorcoach Transportation
- 2— Sightseeing Tour of Historical St. Augustine
- 3— Admission to Marineland  
(a) Lectured Tour of Marine Exhibits  
(b) Porpoise and Whale Show

## CAPE KENNEDY SPACE CENTER

MONDAY AND FRIDAY

Adult \$ 9.00  
Child (12 and under) 4.50

## INCLUDES

- 1— Roundtrip Motorcoach Transportation
- 2— Lectured NASA motorcoach tour of Kennedy Space Center
- 3— Visitors Center Exhibits and Space Film

## CYPRESS GARDENS

WEDNESDAY

Adult \$ 11.50  
Child (12 and under) 6.25

## INCLUDES

- 1— Roundtrip Motorcoach Transportation
- 2— Admission to Cypress Gardens  
(a) Scenic Walk through Gardens  
(b) World Famous Water Ski Show

## SILVER SPRINGS

TUESDAY AND SATURDAY

Adult \$ 9.00  
Child (12 and under) 4.50

## INCLUDES

- 1— Roundtrip Motorcoach Transportation
- 2— Admission to Silver Springs  
(a) Glass Bottom Boat Cruise

## SIX GUN TERRITORY

TUESDAY AND SATURDAY

Adult \$ 10.00  
Child (12 and under) 6.00

## INCLUDES

- 1— Roundtrip Motorcoach Transportation
- 2— Admission to Six Gun  
(a) Stage Show in Palace Saloon  
(b) Gondola Sky Ride  
(c) Steam Train Ride  
(d) Authentic Indian Dancing  
(e) Museums and Antique Displays  
(f) Admission to Funland

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## Quad-A Briefs

A general membership meeting will be held at the Battle-ship on 12 July 1974. It promises to be at least as interesting as the last meeting. In fact, Quad-A will have a guest speaker from Ft. Rucker which should prove to be more interesting than listening to President Deason.

The guest speaker will be Major Walt Addy from Ft.

Rucker, Ala., talking on the new developments and trends in Army aviation safety.

All joking aside, all members are asked to attend this meeting, and Dusty Funk wants to make it clear that he did not want to send the wives a list of attendees, instead he wanted to call them personally.

Come on out and have a good time.



## Active Duty

1. More on Flight Pay Bill... Army aviators should receive flight pay under the new Defense rates this month, but it will take close coordination between installation personnel and finance offices.

Before payments can be made personnel officers must supply supporting finance offices with special orders identifying all rated and designated aviators. At press time a DA sampling of various installations indicated that most finance offices were receiving these orders.

While the President signed the flight pay bill (PL 93-294) in time for it to be effective on June 1, Army implementing instructions were not released to the field until May 29. A clause in those instructions specified that "special orders will be provided to each serving office no later than the effective date of the act."

On June 4 an Army wide message noted that "in view of the 1 June 74 effective date, it is recognized that instructions for publications of special orders, as required...may not reach all appropriate military personnel offices as soon as required."

Information needed by personnel offices to cut special orders includes the "total federal officer service" and the "aviation service entry date" used by finance offices to determine flight pay entitlement under the new law.

In the instructions sent to the field, June 4 the Army outlined what constitutes an acceptable method of computing the important ASED date. For the commissioned officer the ASED is the date he was first placed on flying status by competent orders.

For a warrant officer the ASED is the date he received his warrant while attending, or upon completing flight school.

2. Still no word on the exact date of the visit from Big Brother. Although Milt Routh has seen two strangers with very close haircuts sneaking around the Coffee Shop taking pictures.

3. Increase in mileage rates... The long-awaited increase in mileage rates paid military people traveling on orders will go into effect July 1.

For those traveling on temporary duty, the rate will go from five to seven cents a mile. Under some rare circumstances, the seven-cent rate was previously authorized, but now is to be standard.

For PCS moves, service people will draw eight cents a mile—a two-cent increase over the current rate. Rates for dependents will be seven instead of six cents for those age 12 and over, 3½ cents for ages two through 11—a half-cent increase.

A major change is the removal of the old 18-cents-a-mile limit on payment for all dependents.

## Utopian Working Conditions Of 1852

The following list of rules for employees was found in a factory recently demolished in Scotland. These rules were observed only a century ago.

1. Godliness, cleanliness, and punctuality are the necessities of a good business.
2. This firm has reduced the hours of work and the clerical staff will now only have to be present between the hours of 7 AM and 6 PM.
3. Daily prayers will be held each morning in the main office. The clerical staff will be present.
4. Clothing must be of a sober nature. The clerical staff will not disport themselves in raiment of bright colors.
5. Overshoes and top coats may not be worn in the office but neck scarves and headwear may be worn in inclement weather.
6. A stove is provided for the benefit of the clerical staff. Coal and wood must be kept in the locker. It is recommended that each member of the clerical staff bring four pounds of coal each day during cold weather.
7. No member of the clerical staff may leave the room without permission from Mr. Rogers. The calls of nature are permitted and clerical staff may use the garden below the second gate. This area must be kept in good order.
8. No talking is allowed during business hours.
9. The craving of tobacco, wines or spirits is a human weakness and as such is forbidden to all members of the clerical staff.
10. Now that the hours of business have been drastically reduced, the partaking of food is allowed between 11:30 AM and noon, but work will not on any account cease.
11. Members of the clerical staff will provide their own pens.
12. Mr. Rogers will nominate a senior clerk to be responsible for the cleanliness of the main office and the private office. All boys and juniors will report to him 40 minutes before prayers and will report after closing hours for similar work. Brushes, brooms, rubbers, and soap are provided by the owners.

The owners recognize the generosity of the new Labour Laws, but will expect great rise in output of work to compensate for these near Utopian conditions.

Aren't you glad you weren't around to work in 1852?

## Picnics And Fun Due Thoughts

During the July 4th holiday celebration, a public official will rise and lead his audience in the Pledge of Allegiance. That Pledge will be repeated by Americans in every town and city throughout the nation.

Few will actually hear it, but the words of the Pledge remain, and they hear listening to; for each pledges allegiance to the flag and all it symbolizes: the Republic (or Representative democracy) with its liberty and justice for all.

Said over and over, the phrases lose meaning sometimes; to some, they may even sound corny.

But where else in the world is

such an ideal proposed, much less pledged?

Perhaps liberty and justice are not attained by all. Perhaps... Still, along with the pursuit of happiness and the blessings of liberty, these ideals are expressions of concepts Americans believe, strive for and defend if necessary.

The world continues to watch this land and its people. They watch to see if this nation conceived in liberty and dedicated to the proposition that all men are created equal can indeed continue to prosper and endure. And some people in the world would enjoy seeing America and its concepts fail.

WE, THE PRESIDENTIALLY-APPOINTED LIFE EXPERTS, FEEL THAT YOUR RECORDER IS DEFECTIVE.



## Lockheed 1011 Coming To Daytona

Forty-three people came to the Career Seminar on June 17 to hear Bob Hanson of Eastern Airlines say that the Lockheed 1011 is alive and well and coming to Daytona. It's coming around Thanksgiving of this year and will make Daytona the smallest city in the country with wide-body service just as Eastern made it the smallest city with jet service back in 1968. A few technicalities must be examined before then, of course, but at the moment it looks as if the runway is long enough, the ramp might be strong enough, and the terminal definitely won't be big enough for 250 passengers plus or minus a dozen or so.

Meanwhile Eastern thinks the 1011 is the greatest thing on

ten wheels; it flies itself from runway to runway, it's the most reliable plane except for the DC-9 and it was designed from the inside out rather than the other way around as most planes are. A film entitled "The Building Of An Airplane Is No Simple Thing" pretty well made its point by its description of the Rolls Royce collapse. Rolls Royce makes the RB-211 engine for the airplane but went in and out of receivership midway through the TriStar project.

Future Career Seminars will host President Hunt, Dr. Ritchie and George Hand, Director of the Embury-Riddle graduate program. The seminar meets every Tuesday at 2:30 PM in Room 108 and all faculty, students, and staff are invited.

## FAA Cautions Nation's Pilots To Arm ELT's

The Federal Aviation Administration of the US Department of Transportation urged pilots with an emergency locator transmitter (ELT) in their aircraft to make sure the equipment is "armed" so it will automatically activate in case of accident to speed up search and rescue operations.

There have been a number of general aviation accidents in which ELTs in the airplane were found to be unarmed, FAA said. In one case, a passenger survived a crash for 30 hours but finally died of injuries and exposure. When the wreckage was located, the ELT switch was found in the "off" position.

Public law requires that after June 30, 1974, most of the more than 145,000 US registered aircraft must carry an ELT and have it armed during flight. Armed ELTs activate automatically when subjected to a force of 5 G's or more and remain activated under shock forces up to 50 G's.

Powered by a self-contained battery, an ELT emits a distinctive, warbling signal on the international emergency frequencies 121.5 and 243.0 MHz when

activated. The distress signal alerts search and rescue units, such as those of the Coast Guard, Air Force and Civil Air Patrol, and allow them to home in on the signal.

Not only is the ELT helpful in locating downed aircraft and possible survivors, but it also significantly reduces the cost of search and rescue operations in terms of aircraft, personnel and flight hour expenditures.

According to FAA, a sufficient number of ELTs now have been manufactured to equip all airplanes that must have them by the June 30 deadline. Civil US registered planes not required to have an ELT include those in US scheduled airline operations, those used by agricultural operators, those engaged in training close to their home base and all rotorcraft and turbojet and single-seated airplanes regardless of type of operation.



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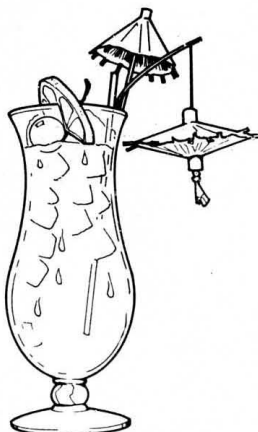
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## Commander Aviation, Inc. - Ormond Based Subsidiary Growing

Commander Aviation Inc., was established in 1964 and became a part of Embry-Riddle about two years ago. It is the only FBO at the Ormond Beach Airport and provides 24 hour support for some 52 aircraft that are quartered at Ormond. Commander provides such specialized services as aircraft painting and upholstery, oxygen system service and T-hanger rental. They offer C-150 rental at \$13.00 per hour (wet) and boast the only local source of US sectionals coast to coast and border to border. The ER subsidiary employs 17 people, 12 of which, including the general manager and the chief flight instructor are ERAU grads. They are also the marketing outlet for Riddle's C-172's when they are withdrawn from University service. Commander receives no financial grants from ER and by law charges ERAU the same rate for service that any other customer is charged. The Ormond FBO is the areas Beechcraft sales and service representative.

Maintenance is an important part of the game. Lineman Jim Leperi makes final adjustments on a Beech nose gear. Jim came to Commander Aviation via the Veterans Administration's OJT program. When he finishes his 18 months of OJT he plans to complete his A&P at Embry-Riddle. He is a graduate of the Beech "Sport 150" maintenance school in Liberal, Kansas.



Aircraft painting and upholstery have become specialties of the Commander Aviation shop. The classic Cessna 195 at far left sports a beautiful new paint job on the outside and at left shows off an attractive new interior. This particular interior is a combination of rolled and pleated nogahyde accented by wood-grain trim.



Walt Scheland, Purchasing Agent (left), and Terry Anderson, Chief Flight Instructor (right) discuss parts problems relative to customers' aircraft. Mr. Scheland was Manager for Purchasing and Logistics for Scandinavian Airlines System prior to coming to Commander. Terry is the mainstay of Commander's instructional program which currently has 42 students enrolled. He employs two C-150's and the Beech Sport in support of the school.



Commander Aviation's VP and General Manager John Prosser is not your normal desk bound VP. Shown here, John checks progress of the installation of a instrument package on his B19. The package includes dual KK170 Nav/coms, a 720 channel transponder, ADF, DME, encoding altimeter, automatic audio panel, marker beacon and glide slope.

(Below) Robert Holmes, a 1972 graduate of the ERAU A&P mechanics program, installs the final instrument faceplate on Commander's Beech 19, instrument training aircraft. According to John Prosser, VP and General Manager, the new instrument package makes their '74 Beech 19 "the finest instrument trainer in Volusia County."



PHOTOGRAPHY BY  
TOM GREENE

## E-RAU Bowling League Final Standings

## TEAM

TEAM	W	L	TP
Shoulda Been	34	14	20671
The Dinks	33	15	21618
The Splits	31	17	21945
Fly By Nite	30	18	21133
Lots-O-Luck	29	19	20769
The Grab	26	22	19777
3-in-One	25	23	20763
4 Flushers	23½	24½	18124
Golden Eagles	21½	26½	20083
Empty Ripple	21½	26½	19657
Les Grandes Bowlers	19	29	19755
Eight Balls	18½	29½	20239
Alley Tramps	15	33	16727
The Jammers	9	39	18770

Men's 200's:	Rick Houck	236
	Lon Bissa	215-202
	Bob Kubo	212-203
	John Shank	291

# ERAU SPORTS



The regular intramural league ended last week and the top four teams have qualified for the over-all championship tournament. The final league standings were:

TEAM	WON	LOST
Flyers	7	0
Vets Stuffers	7	0
AAAA Dunks	6	1
Vets Nets	4	3
AAAA Trotters	1	6
Jets	1	6
Hackers	1	6
Pros	1	6

## Schedule For The Play Offs

July 2, 7:00 PM  
Flyers vs Vets Nets  
AAAA Dunks vs Vets Stuffers  
July 9, 7:00 PM  
Winners play for Championship.



## Girl Of The Week



Most hunters tend to over-choke and overload themselves. No advantage to the full choke in a shotgun except in a very few situations. The wider choke such as modified, or even improved cylinder will get you more game on the average shot, because the bigger pattern gives you a better chance to connect. This is especially true if you are a bit off target when you pull the trigger. Years of actually pacing off successful shots in the field showed that the average first shot at upland game is afforded at about 15 yards, and the second at about 20 yards. Hunters are apt to overestimate distances at which they connect unless they actually measure it off. By the same token the so-called high-powered or big-magnum loads are seldom really called for. Medium or light loads do a fine job, tend to give better patterns,

and don't punish you nearly as much as the hefty loads. Try both of these observations.

When they miss a shot, shooters by nature tend to place the blame on everything except the real reason, namely, that they didn't point the gun right when they pulled the trigger. They will blame the load, the gun, some distraction, etc., etc. Barring some rare and weird exception it is quite true that even the occasional so-called bad load will break the target or get the game if the gun is pointed correctly.

You hear a lot about how some guns "kick" harder than others. If a gun is held correctly it won't punish you. If it is held incorrectly it will. It's that simple. A little .410 shotgun can hurt you if held wrong—a big magnum tennessee won't if you hold it correctly.

## Tips For The Trigger Man

## NFL Preseason Football Schedule

## JULY 26

Miami vs College All Stars  
Chicago 8:30 ABC

## JULY 27

St. Louis vs Buffalo  
Canton Ohio 4:00 ABC

## AUGUST 2

Los Angeles vs Cleveland  
Los Angeles 8:00

Washington vs New England  
Washington 8:00

Buffalo vs Green Bay  
Buffalo 8:00

## AUGUST 3

Cincinnati vs Miami  
Cincinnati 8:00

Denver vs New York Jets  
Denver 8:00

Houston vs New York Giants  
Houston 8:00

Oakland vs Dallas  
Oakland 8:00

New Orleans vs Pittsburgh  
New Orleans 8:00

Chicago vs St. Louis  
Champaign Ill. 1:30

San Diego vs San Francisco  
San Diego 8:00

## AUGUST 4

Philadelphia vs Atlanta  
Philadelphia 8:00

## AUGUST 5

Kansas City vs Detroit  
Kansas City 8:00

## AUGUST 6

Washington vs Houston  
Washington 8:00

Baltimore vs Detroit  
Baltimore 8:00

## AUGUST 10

Cincinnati vs Philadelphia  
Cincinnati 8:00

Denver vs Minnesota  
Denver 8:00

Miami vs New Orleans  
Miami 8:00

San Diego vs New York Jets  
San Diego 8:00

Oakland vs Atlanta  
Berkeley Calif. 1:00

Los Angeles vs Dallas  
Los Angeles 7:00

Green Bay vs St. Louis  
Milwaukee 8:00

New England vs New York Giants  
Foxboro 8:00

Kansas City vs Buffalo  
Kansas City 8:00

Cleveland vs San Francisco  
Cleveland 8:00

Pittsburgh vs Chicago  
Pittsburgh 8:00

## AUGUST 16

Detroit vs Oakland  
Detroit 8:00

## AUGUST 17

Baltimore vs Cleveland  
Tampa Fla. 8:00

Atlanta vs Cincinnati  
Georgia Tech 9:00 NBC

Dallas vs Houston  
Dallas 8:00

Los Angeles vs Kansas City  
Los Angeles 7:00

New York Giants vs  
New York Jets  
New Haven Conn. 2:00

Philadelphia vs Pittsburgh  
Philadelphia 8:00

St. Louis vs St. Louis  
Memphis Tenn. 8:00

Green Bay vs Chicago  
Green Bay 8:00

## AUGUST 18

Washington vs Buffalo  
Washington 8:00

San Francisco vs Denver  
San Francisco 1:00

New England vs New Orleans  
Foxboro 8:00

## AUGUST 19

Miami vs Minnesota  
Miami 9:00 ABC

## AUGUST 23

St. Louis vs New York Jets  
St. Louis 7:30

## AUGUST 24

Cleveland vs Washington  
Cleveland 8:00

Green Bay vs Denver  
Green Bay 8:00

Kansas City vs San Francisco  
Kansas City 8:00

Los Angeles vs Miami  
Los Angeles 6:00 NBC

Oakland vs Philadelphia  
Oakland 8:00

San Diego vs New England  
San Diego 8:00

New Orleans vs Dallas  
New Orleans 8:00

Pittsburgh vs New York Giants  
Pittsburgh 8:00

## AUGUST 25

Minnesota vs Buffalo  
Minnesota 8:30 CBS

## AUGUST 26

Baltimore vs Chicago  
Baltimore 8:00

Cincinnati vs Detroit  
Cincinnati 9:00 ABC

Houston vs Atlanta  
Houston 8:00

## AUGUST 30

Buffalo vs Detroit  
Buffalo 8:00

Washington vs Pittsburgh  
Washington 9:00 CBS

Miami vs Green Bay  
Miami 8:00

## AUGUST 31

Dallas vs Kansas City  
Dallas 8:00

New Orleans vs New York Jets  
New Orleans 8:00

San Diego vs Los Angeles  
San Diego 8:00

St. Louis vs Minnesota  
St. Louis 7:00

Philadelphia vs New York Giants  
Princeton NJ 2:00

New England vs Denver  
Spokane, Wash. 6:00

Houston vs Chicago  
Houston 8:00

Atlanta vs Baltimore  
Atlanta 6:00

## SEPTEMBER 1

Cleveland vs Cincinnati  
Columbus Ohio 2:00

## SEPTEMBER 2

San Francisco vs Oakland  
San Francisco 6:00 ABC

## SEPTEMBER 5

Dallas vs Pittsburgh  
Dallas 8:00 NBC

## SEPTEMBER 6

Kansas City vs St. Louis  
Kansas City 8:00

Washington vs Baltimore  
Washington 8:00

Buffalo vs New York Giants  
Buffalo 8:00

Green Bay vs Cincinnati  
Milwaukee 8:00

Detroit vs Cleveland  
Detroit 8:00

Houston vs New Orleans  
Houston 8:00

Chicago vs Miami  
Chicago 8:00

Oakland vs New York Jets  
Berkeley Calif. 1:00

Minnesota vs San Diego  
Minneapolis 8:00

## SEPTEMBER 8

Denver vs Atlanta  
Denver 7:30 CBS

New England vs Philadelphia  
Foxboro 8:00

San Francisco vs Los Angeles  
San Francisco 8:00

## HOBBIES and

## SPORTING GOODS



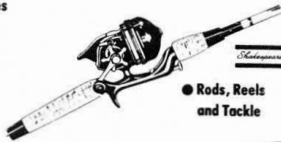
• Model Airplanes,  
Plastic Kits  
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## Calculators Give Sum Students The Edge

What's smaller than a breadbox, adds, subtracts, multiplies, divides, finds trig functions, and sometimes even standard deviations, US/metric conversions, and rectangular coordinate conversions? It's a mini-computer, and the use of them is sparking controversies that range from economics to cheating.

Costing anywhere from \$40 for four-function calculators to \$400 for models with memories and up to 15 different functions, pocket calculators are in demand by students and educators in many areas, including mathematics, business, economics, science and technical fields.

The calculators speed up computing and reduce errors in basic calculations of all types, of mathematical work. Twelve companies produce them and their convenient size and accuracy are making them one of the fastest-selling items on college campuses.

Despite the convenience and accuracy of these machines, many educators oppose their use by students, particularly for examinations. They charge that calculators give unfair advantage to students affluent enough to buy them. The cost of the calculators is over and above regular tuition, board and book expenses, thus students with less money are less able to afford them and must do calculations manually or with a slide rule.

Such students tend to be from minority or lower class backgrounds, and are already at a disadvantage in many educational situations. Professors estimate that a student with a calculator has a ten minute advantage in a one hour exam over a student who does not.

UCLA banned the use of calculators in its freshman chemistry exams late last year for exactly that reason. E. R. Hardwick, who chairs the freshman chemistry committee, was widely quoted as saying that he believed calculators should be banned until all students had equal access to them. He predicted that this will occur within the next five years.

However, in an interview with the UCLA Daily Bruin late last month, Hardwick said, "the decision last quarter was assumed to be for that quarter only. I won't try to impose a decision

on the whole freshman chemistry group."

UCLA instructor Trina Valenich allowed her students to vote on calculator use, and reported that 80% of her students either wanted to use them or didn't mind if others did. M. E. Baur, on the other hand, has continued to ban them from his examinations, but admitted, "I'm sort of on the fence. My position has changed several times and it might change again."

A number of solutions to the problem are being considered at UCLA and elsewhere. University bookstores and some departments rent the calculators on an hourly or weekly basis. But prices fluctuate greatly from school to school, and demand always exceeds supply at exam time. Georgia Tech students, for instance, may rent calculators for \$1.50 a day or \$3.50 a week. At Harvard, the cost is \$10 per month. At UCLA, students may pay \$1.25 an hour or \$13 a week for a calculator that does more than the four basic functions.

Another solution is to have the institutions assume the financial burden. The Board of Education for the City of Berkeley has asked the National Foundation for a \$16,000 grant to provide the calculators to junior high students.

John Kelley, who teaches mathematics at the University of California at Berkeley, is a leading proponent of such a plan. "If a student needs glasses, we make sure he gets them, and it's the same with kids struggling with math. Give them a calculator," he said in a recent interview. Some proponents say the same principle could be applied to colleges, although financial priorities at many institutions prohibit such a possibility.

The most popular compromise seems to be allowing use of calculators on quizzes, homework and less important tests, but enforcing a slide-rule-only situation for mid-term and final examinations.

But economic factors are not the only sticking point.

Many educators feel that students are encouraged to rely too heavily on calculators for basic arithmetic skills.

Others, like Tilton Wilcox of Eaton Carolina University, disagree. "By the time (a student) has reached this level he must certainly have learned how to work without one," he said recently. "They are going to use them when they get out in the business world anyway. I think that even high school students should be allowed to use them."

Another solution is to allow students to share calculators during examinations, but some educators feel that this amounts to exchanging information, and presents opportunities for student collaboration on answers.

But whatever the outcome of these philosophical discussions no one can deny the rapid increase in calculator use—anywhere from 7% of the chemistry students at huge UCLA to 75% at smaller schools already own them, and retailers are selling them almost as fast as they come in from the manufacturers. Eventually, the calculator may replace the slide rule as a basic educational tool.

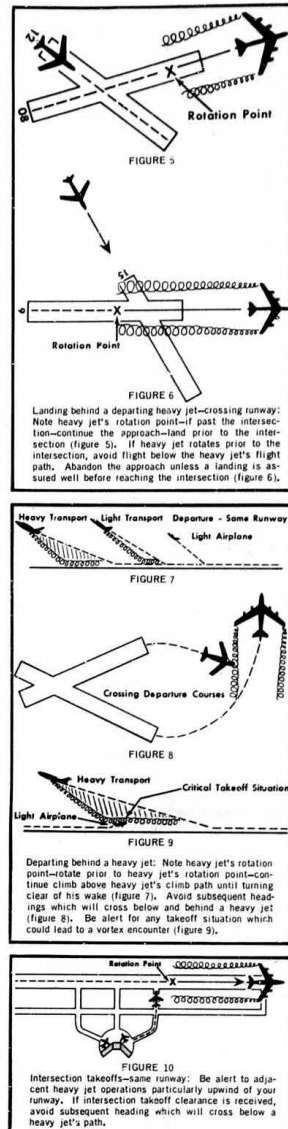
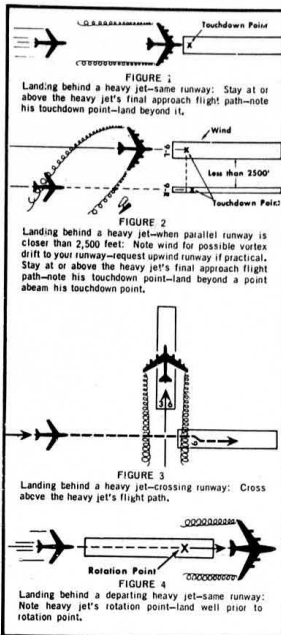
## Record Broken

The long standing record of 49 minutes 30 seconds held by Mr. Hamilton for telling the complete unabridged version of Fanny Hill solely by use of graphs was broken this past week by Dr. Eberle. Dr. Eberle told the same story with triangles in only 48 minutes and 10 seconds!

## Tuition Drops

In response to rising costs and falling enrollments, most college and university administrators immediately think about making a tuition increase. But Antioch College is taking a different approach to the financial problem. Since it has been shown that students and parents are sensitive to tuition increases and that a tuition jump usually accelerates sagging enrollment, Antioch now factors tuition by \$150 next fall in the hopes that the move will bring increased enrollments and greater total income to cover the college's fixed costs of operation.

## Vortex Dope



## Movie Review

BY ALLAN GEHRING

The Great Gatsby is a pretty slick parable about rich and poor people. Instead of the rich getting richer and the poor getting poorer, the rich go to Europe and the poor get dead. Before they get dead, however, the rich have a real fine time with them. (After all, poor people have always been good for pumping gas, having affairs with in the city, and fighting rich men's wars for them!)

Jay Gatsby was a very good poor man and distinguished himself in the Argonne forest. But the hazards of war are small stuff compared to the hazards of high society and when he finally gets the green light to East Egg he also gets poached real dead in a pool of blood red blood.

Mr. A. N. Komaneczek, Director of Corporate Educational Communications for General Electric Company, has furnished the Avion with a copy of some very helpful interview hints. "What Students Should Know About Interviews" from the Journal of College Placement is reprinted below for your information.

### What an interviewer looks for in a student.

**A lot of facts in a short time.** First, we make sure students realize how short an interview is. Then we make sure they understand what the interviewer's basic purpose is. They want to exchange enough information to make a screening decision to determine whether their company should talk with the student further. Then we go into specifics.

**They want to see what you're like.** Good interviewers usually note their first impression of a student. Because the ability to make a good first impression can be an asset in business. Then during the interview they look at general traits such as poise, ability to communicate, basic social skills and general personality. They're not after a deep psychological profile, only a general picture.

**They want to see what you want.** One of the most important things to an interviewer is finding out exactly what students think they want, and why. What kind of work they're looking for, and their amount of interest in that work. Career goals. And drive to accomplish those goals. Their interest in further education. Further training. And such things as preferred location and willingness to relocate.

**They want to see what you've done.** Next, they'll look at the student's qualifications. Jobs, grades, special training, hobbies, and extra-curricular activities. Here they aren't just looking to see how "well-rounded" the student is. Their major purpose is to decide if the student's declared work interests seem to match his or her talents.

**They want to see what you might do.** If the student does seem qualified for a certain kind of work, interviewers then have to see if their company has a job area that might match the student's interests. If so, they'll explain all the details of the work and see if the student seems interested. And just how interested.

### How students can get ready for an interview.

**Know where you want to go.** First, we tell students to figure out what they really want to do. Be specific, we say. Make a list of exactly what you want. And of what you don't want. If they're having trouble deciding, we suggest looking at their past for clues. Education, summer jobs, hobbies, clubs...all can suggest motivations. In addition, we always tell them to get help from their counselor. An interview won't be successful until students have some idea of what they're after.

**Know all you can about the company.** Students get told this over and over. And we tell them again. Because it's important. Reading "the literature" will tell them all kinds of things about a company...its corporate personality, its job openings and what they're like, its benefits, on and on. Having to answer this type of question in an interview wastes time. And may make the interviewer wonder about the candidate's initiative.

**Know the routine of an interview.** Students who don't have any idea what's going to happen in the interview won't be relaxed, and won't present their natural personality. So we tell them to discuss it with their counselor. Or find a friend who's had a few interviews and ask what they were like. We even suggest a role-playing exercise. With the friend as interviewer. And the student as himself.

**Make sure the interviewer will know all about you.** Some students don't think filling out the paperwork is very important. They give incomplete answers. But they're not taking the time to be neat. But they're only hurting themselves. Because they keep the interviewer from learning everything possible about their past achievements and interests. We tell them to take time to fill out a company's information form completely. If one isn't available at the placement office, we suggest bringing a resume along to save time.

### How a student should act during an interview.

**Rule number one.** We say it to students every day. There's one important thing to remember about how to act during an interview. Don't act. Be yourself, we advise. For two good reasons. First because the only company students are likely to be happy working for is a company that likes them just the way they are. And second because few students can play a role well enough to fool an interviewer anyway.

**Don't overdo it.** Of course, while we're telling students to act naturally, we also remind them to act professionally. They should be on time. Friendly...but not too casual. Courteous. And have their thoughts and questions well organized.

**Open up.** Another thing we tell them is don't be afraid to tell interviewers all about yourself. When they ask a question, don't just answer "yes" or "no". Take the opportunity to tell them your goals and strong points. Often this may alert an interviewer to an attribute that didn't show up on the student's resume.

**Tell it straight.** Finally, we tell students to be completely honest. Because a lie is usually an attempt to hide some problem that will only get in the way of a good student/company match later on. For example, if a student has no interest in finance, he or she should say so. They should be trying to screen companies, too. So if a company offers finance, they probably shouldn't work there.

### THE CO-PILOT LAMENT

I'm the co-pilot, I sit on the right  
I'm not important — just part of the flight.  
I never talk back — lest I have regrets.  
But I have to remember what the pilot forgets.  
I make out the flight plans, study the weather  
Fill up the gear and stand by to feather.  
Pull out the forms and do the reporting,  
and fly the old crate when the pilot is courting.  
I take the readings, adjust the power, handle  
the flaps and call the tower.

I find our position on the darkest of nights and  
do all the book work without any lights.  
I call for the pilot and bring him coles, then  
have to laugh at his corny jokes.  
More than once in a while when his landings  
are rusty, I'm right on the spot with a  
"Gosh, but it's gassy."  
All in all I'm a general stowage, as I sit on the  
right of the man I call, "SCROOGE."  
I guess you think that it's beyond understanding  
Maybe someday he'll give me a landing.